

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P684342

Luminaire Tested: **LX6C05D010 EX6C059035 6LBMH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684342  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C05D010 EX6C059035 6LBMH  
Description: 6 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 6LBM TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

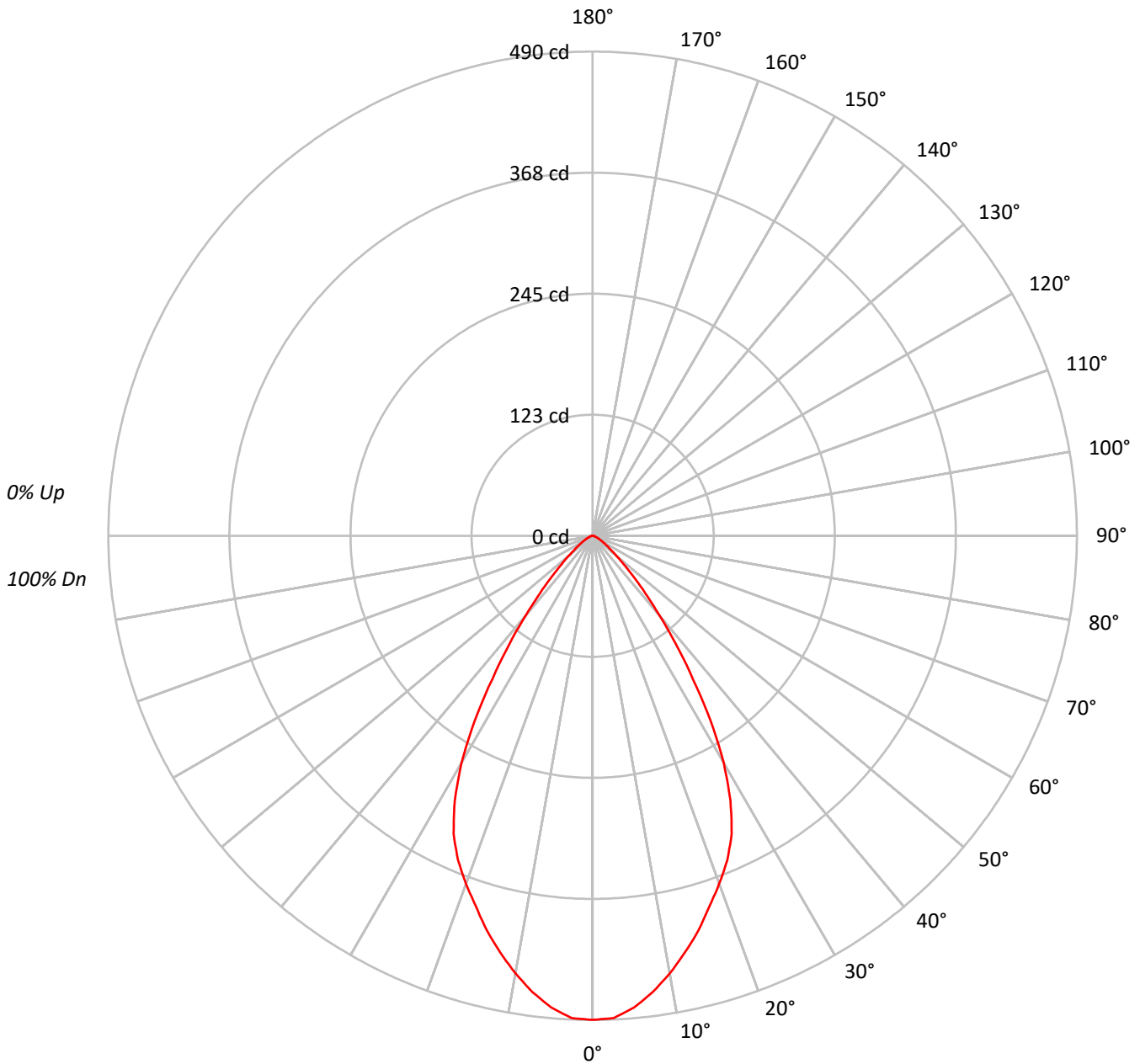
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 495.0 lumens  
Efficiency: N/A  
Efficacy: 68.7 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
Input Voltage (V):  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100																
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92			92																
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85																
3	101	94	88	84	99	92	88	84	90	86	82	87	84	81	85	82	80	78			78																
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72			72																
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66			66																
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61			61																
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57																
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53			53																
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49			49																
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46			46																

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	26856
5°	26376
10°	25027
15°	23468
20°	21854
25°	20136
30°	16781
35°	11825
40°	7536
45°	4497
50°	2652
55°	1692
60°	1162
65°	830
70°	561
75°	445
80°	221
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.8	9.0
10°-20°	115.9	23.4
20°-30°	150.1	30.3
30°-40°	111.5	22.5
40°-50°	47.1	9.5
50°-60°	16.7	3.4
60°-70°	6.4	1.3
70°-80°	2.2	0.4
80°-90°	0.3	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	310.8	62.8
0°-40°	422.3	85.3
0°-60°	486.0	98.2
0°-90°	495.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	495.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	490	
5°	479	45
15°	414	116
25°	333	150
35°	177	111
45°	58	47
55°	18	17
65°	6	6
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	489.9
2.5°	488.5
5°	479.3
7.5°	465.8
10°	449.6
12.5°	431.9
15°	413.5
17.5°	393.0
20°	374.6
22.5°	355.6
25°	332.9
27.5°	301.8
30°	265.1
32.5°	221.9
35°	176.7
37.5°	138.6
40°	105.3
42.5°	78.5
45°	58.0
47.5°	42.4
50°	31.1
52.5°	23.3
55°	17.7
57.5°	13.4
60°	10.6
62.5°	7.8
65°	6.4
67.5°	4.9
70°	3.5
72.5°	2.8
75°	2.1
77.5°	1.4
80°	0.7
82.5°	0.7
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)